

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1-32 (Canceled).

33. (Currently amended) A method of transmitting information comprising the steps of:

receiving an information signal;

receiving a plurality of coefficients from a remote communication system;

averaging ~~at least one~~ less than four of the coefficients over a plurality of slots;

producing a plurality of weighted information signals from respective coefficients and the information signal; and

transmitting the plurality of weighted information signals from respective antennas.

34. (Previously presented) A method as in claim 33, comprising the steps of:

encoding the information signal;

interleaving the information signal;

symbol mapping the information signal; and

modulating the information signal.

35. (Previously presented) A method as in claim 33, wherein the step of producing a plurality of weighted information signals comprises the steps of:

 multiplying the information signal by a first coefficient, thereby producing a first weighted information signal; and

 multiplying the information signal by a second coefficient, thereby producing a second weighted information signal.

36. (Previously presented) A method as in claim 35 comprising the steps of:

 transmitting the first weighted information signal from a first antenna; and

 transmitting the second weighted information signal from a second antenna.

37. (Previously presented) A method as in claim 35, wherein the respective coefficients correspond respectively to previously transmitted weighted information signals.

38. (Previously presented) A method as in claim 35 comprising the steps of:

 transmitting a first set of pilot symbols over a primary common control physical channel (PCCPCH); and

 transmitting a second set of pilot symbols and the weighted information signals over a dedicated physical channel (DPCH).

Please add the following new claims:

39. (New) An apparatus, comprising:
circuitry for receiving an information signal;
circuitry for receiving a plurality of coefficients from a remote communication system;
circuitry for averaging less than four of the coefficients over a plurality of slots;
producing a plurality of weighted information signals from respective coefficients and the information signal; and
transmitting the plurality of weighted information signals from respective antennas.

40. (New) The apparatus of Claim 39, further comprising:
circuitry encoding the information signal;
circuitry for interleaving the information signal;
circuitry for symbol mapping the information signal; and
circuitry for modulating the information signal.

41. (New) The apparatus of Claim 39, further comprising:
circuitry for multiplying the information signal by a first coefficient, thereby producing a first weighted information signal; and
circuitry for multiplying the information signal by a second coefficient, thereby producing a second weighted information signal.

42. (New) The apparatus of Claim 42, further comprising:
circuitry for transmitting the first weighted information signal from a first antenna; and
circuitry for transmitting the second weighted information signal from a second antenna.

43. (New) The apparatus of Claim 41, wherein the respective coefficients correspond respectively to previously transmitted weighted information signals.

44. (New) The apparatus of Claim 41, further comprising:
circuitry for transmitting a first set of pilot symbols over a primary common control physical channel (PCCPCH); and
circuitry for transmitting a second set of pilot symbols and the weighted information signals over a dedicated physical channel (DPCH).

45. (New) The apparatus of Claim 39, wherein less than four is two.

46. (New) The method as in Claim 33, wherein less than four is two.